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FILE 'REGISTRY' ENTERED AT 15:16:56 ON 23 JUL 2004 10 S ADWSWA/SQSP L40

FILE 'CAPLUS' ENTERED AT 15:17:03 ON 23 JUL 2004 1 S L40 L41

L41 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

Entered STN: 09 Nov 2001 ED

2001:816734 CAPLUS ACCESSION NUMBER:

135:352790 DOCUMENT NUMBER:

TITLE:

Anti-inflammatory compounds and uses thereof May, Michael J.; Ghosh, Sankar; Findeis, Mark INVENTOR(S):

A.; Phillips, Kathryn

Praecis Pharmaceuticals Incorporated, USA; Yale PATENT ASSIGNEE(S):

APPLICATION NO.

DATE

University

PCT Int. Appl., 88 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

KIND DATE

3

English LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.

									WO 2001-US14346 20010								
2001	0835	54	A:	3	2002	0801											
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The present invention provides anti-inflammatory compds., AB pharmaceutical compns. thereof, and methods of use thereof for treating inflammatory disorders. The present invention also provides methods of identifying anti-inflammatory compds. and methods of inhibiting NF-kB-dependent target gene expression in a cell. The present invention is based, at least in part, on the identification of the NEMO (NF-kB essential modulator) binding domain (NBD) on $I\kappa B$ kinase- α (IKK α) and on IkB kinase- β (IKK β). Accordingly, in one aspect, the present invention provides anti-inflammatory compds. which are

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peptides comprising a NEMO binding domain. In on embodiment, the present invention provides anti-inflammatory compds. comprising fusion peptides of a NEMO binding domain and at least one membrane translocation domain. The membrane translocation domain facilitates membrane translocation of the anti-inflammatory compds.

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RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(NEMO binding sequence; fusion peptides comprising membrane translocation domain and NEMO (NF-kB essential modulator) binding domain as anti-inflammatory compds. and uses thereof)

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L43 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN RN 371915-97-8 REGISTRY

CN 28: PN: WO0183554 SEQID: 79 claimed protein SQL 8

SEQ 1 ADWSWAQT

HITS AT: 1-6

REFERENCE 1: 135:352790

L43 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN RN 371915-96-7 REGISTRY

CN L-Glutamine, L-alanyl-L- α -aspartyl-L-tryptophyl-L-seryl-L-tryptophyl-L-alanyl- (9CI) (CA INDEX NAME)

OTHER NAMES: CN 27: PN: WO0183554 SEQID: 78 claimed protein SQL 7

SEQ 1 ADWSWAQ =====

HITS AT: 1-6

REFERENCE 1: 135:352790

L43 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN

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371915-95-6 REGISTRY RN L-Threonine, L-alanyl-L-alanyl-L-α-aspartyl-L-tryptophyl-L-CN seryl-L-tryptophyl-L-alanyl-L-glutaminyl- (9CI) (CA INDEX NAME) OTHER NAMES: 26: PN: WO0183554 SEQID: 77 claimed protein CN SQL 9 SEQ 1 AADWSWAQT ===== HITS AT: 2-7 1: 135:352790 REFERENCE L43 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN 371915-94-5 REGISTRY RN L-Glutamine, L-threonyl-L-alanyl-L-alanyl-L-α-aspartyl-L-CN tryptophyl-L-seryl-L-tryptophyl-L-alanyl- (9CI) (CA INDEX NAME) OTHER NAMES: 25: PN: WO0183554 SEQID: 76 claimed protein CN SQL 9 SEQ 1 TAADWSWAQ ===== HITS AT: 3-8 1: 135:352790 REFERENCE L43 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN 371915-93-4 REGISTRY RN L-Threonine, L-threonyl-L-alanyl-L-alanyl-L-α-aspartyl-L-CN tryptophyl-L-seryl-L-tryptophyl-L-alanyl-L-glutaminyl- (9CI) (CA INDEX NAME) OTHER NAMES: 24: PN: WO0183554 SEQID: 75 claimed protein CN SQL 10 SEQ 1 TAADWSWAQT ===== HITS AT: 3-8 REFERENCE 1: 135:352790 L43 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN **371915-92-3** REGISTRY RN L-Glutamic acid, L-alanyl-L-alanyl-L-α-aspartyl-L-tryptophyl-L-CN seryl-L-tryptophyl-L-alanyl-L-glutaminyl-L-threonyl- (9CI) (CA INDEX NAME) OTHER NAMES: 21: PN: WO0183554 SEQID: 72 claimed protein CN SQL 10 SEQ 1 AADWSWAOTE ====== 2-7 HITS AT: REFERENCE 1: 135:352790

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L43 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN
    371915-91-2 REGISTRY
RN
    L-Alanine, L-threonyl-L-alanyl-L-alanyl-L-α-aspartyl-L-
CN
    tryptophyl-L-seryl-L-tryptophyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
    20: PN: WO0183554 SEQID: 71 claimed protein
CN
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           1: 135:352790
REFERENCE
L43 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN
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    L-Glutamic acid, L-alanyl-L-α-aspartyl-L-tryptophyl-L-seryl-L-
    tryptophyl-L-alanyl-L-glutaminyl-L-threonyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
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CN
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    tryptophyl-L-seryl-L-tryptophyl-L-alanyl-L-glutaminyl-L-threonyl-
     (9CI) (CA INDEX NAME)
OTHER NAMES:
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    371915-71-8 REGISTRY
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    L-Alanine, L-alanyl-L-α-aspartyl-L-tryptophyl-L-seryl-L-
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    tryptophyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
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    42: PN: WO0183554 SEQID: 42 claimed protein
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REFERENCE 1: 135:352790

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Search time 52 Seconds (without alignments) 32.602 Million cell up

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US-09-847-940C

score: Title: Perfect

9 ADWSWA -Sequence:

table Scoring

Gapext BLOSUM62 Gapop 10.0

0.5

residues 1586107 segs, 282547505 Searched

1586107 of hits satisfying chosen parameters number Total

length: length: Beg seg 0B 0B Minimum

2000000000 Maximum Post-processing: Minimum Match 0% Maximum Match 100% Listing first 50 summaries

Databas

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geneseqp20018:*
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geneseqp2003bs:*

Pred. No. is the number of results predicted by chance to have score greater than or equal to the score of the result being prand is derived by analysis of the total score distribution.

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SUMMARIES

33 4 AAU21305 36 2 AAY06332 36 2 AAY06332 36 3 AAB14876 36 3 AAB14876 36 5 AAU77428 74 5 ABE62635 85 6 ABU15648 6 5 AAM48537 6 5 AAM48539 6 5 AAM48509 6 5 AAM48509 6 6 ABU08420 6 6 ABU08421 6 6 ADA61813 6 6 ADA61813	au21305 Human no	332 Gliocla	6363 Glioc	4341 Amino ac		.84 G. roseu	28 Glio	p65718 Bifidoba	62635 Drosophi	33594 Pseud	u15648 Protein	b08727 Mutated	bb08728 Mutated	am48537 Anti-i	am48548 Anti-inf	59 Anti-in	σ	am48510 NBD muta	48536 Anti-in	08420 Human N	bu0842		da61812 NFkB e	61811 N	NFKB e
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ALIGNMENTS

Anti-inflammatory peptide SEQ ID NO 41 9 standard; peptide; entry) (first 20-MAR-2002 AAM48538; AAM48538 RESULT 1 AAM48538

Antiinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema; cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis.

Synthetic

WO200183554-A2

08-NOV-2001

2001WO-US014346. 02-MAY-2001; 02-MAY-2000; 2000US-0201261P. 22-AUG-2000; 2000US-00643260.

PRAECIS PHARM INC UNIV YALE. (PRAE-) (UYYA)

Phillips K; Findeis MA, Ś Ghosh May MJ,

WPI; 2002-121889/16.

Novel antiinflammatory compound comprising membrane translocation domain fused to NEMO binding sequence, useful for blocking nuclear factor kappaB activation, and for treating asthma, lung inflammation, psoriasis.

Claim 6; Page 61; 88pp; English

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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48629-AAM48645), comprising a membrane translocation domain (AAM48629-AAM48645), computing a membrane translocation domain (AAM48620-cationes, fused to a NEMO binding sequence (AAM48525-AAM48619). The cantiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiatherosclerotic, urucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFKappas activation by blocking interaction of Ixappas kinase beta (IKKDeta) at the NEMO binding commain that results in inhibition of IxAppas. The compounds are useful subsequent decreased phosphorylation of Ixappas. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammation or cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammation or bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lungus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection, osteoporosis; Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, curricaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, curricaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antiinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema; cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis.
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and arthritis
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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane from 6-15 amino acid antiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiarthritic, osteopathic, antibacterial). The compounds antiatherosclerotic, virucide and antiallergic activity. The compounds art as selective inhibitors of cytokine-mediated NFkappaB activation by locking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding comain that results in inhibition of IkKpbeta kinase activation and subsequent decreased phosphorylation of IkKppaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory transplant rejection; osteoporosis; Alexanolomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alexanolomatosis, multiple sclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, comburn, aging and arthritis
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                                                                                                                       The invention describes an anti-inflammatory compound comprisir compound is useful for diagnosing or treating inflammatory discurb as asthma, psoriasis, rheumatoid arthritis, osteoarthritis inflammatory bowel disease, sepsis, vasculitis, autoimmune discussemic lupus erythematosus), multiple sclerosis, cancer, oste Alzheimer's disease or viral infection. This is the amino acid of an anti-iflammatory peptide that binds to, and down-regulate necrosis factor kappa B (NFkB) essential modulator (NEMO).
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                                                                                                                                                          The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g. systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
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AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645) comprising a membrane translocation domain (AAM48620 residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiatherosclerotic, antiarthritic, osteopathic, antibacterial, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by act as selective inhibition of IkKbeta kinase activation and blocking interaction of IkKappaB kinase beta (IKKbeta) at the NEMO binding subsequent decreased phosphorylation of IkKappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease, atherosclerosis viral infections; and ataxia telangiectasia. The compounds are also urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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liseases such
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Pred. No. 1.4e+06;
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                                                                                                     The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
                  or
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or treating inflammatory disorders, e.g. d arthritis, inflammatory bowel disease translocation domain and a NEMO binding
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     New compound for diagnosing or asthma, psoriasis, rheumatoid cancer, comprises a membrane t
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residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antinflammatory compounds have antiallergic activity. The compounds antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFKappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding domain that results in inhibition of IKKbeta kinase activation and subsequent decreased phosphorylation of IkKbeta kinase activation and subsequent decreased phosphorylation of IkKbeta kinase activation or cancer, psoriasis, rheumatory disorders, e.g. asthma, lung inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory cancer, psoriasis, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease, atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, cuticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis,
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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), which comprises from 6-15 amino acid residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding domain that results in inhibition of IKKbeta kinase activation and subsequent decreased phosphorylation of IkkappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atheroscierosis; curticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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HANNIG G.
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                          New compound for diagnosing or treating inflammatory disorders, asthma, psoriasis, rheumatoid arthritis, inflammatory bowel discancer, comprises a membrane translocation domain and a NEMO bi
                                                                                            The invention describes an anti-inflammatory compound comprisir compound is useful for diagnosing or treating inflammatory discurb as asthma, psoriasis, rheumatoid arthritis, osteoarthritis inflammatory bowel disease, sepsis, vasculitis, autoimmune disesystemic lupus erythematosus), multiple sclerosis, cancer, oste Alzheimer's disease or viral infection. This is the amino acid of an anti-iflammatory peptide that binds to, and down-regulate necrosis factor kappa B (NFKB) essential modulator (NEMO).
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Antiinflammatory; antiasthmatic; cytostatic; antibsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema; cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis.
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                                                                             The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
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antiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antirheumatic, antiarthritic, osteopathic, antibacterial, immunosuppressive, dermatological, neuroprotective, nootropic, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding domain that results in inhibition of IKKbeta kinase activation and subsequent decreased phosphorylation of IkAppaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory bowel disease, sepsis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, curticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis,
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The invention relates to an antiinflammatory compound (especially AAM48629-AAM48645), comprising a membrane translocation domain (AAM48620-CC AAM48651) which comprises from 6-15 amino acid residues, fused to a NEWO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiathmatic, cytostatic, antipsoriatic, antiartheriosclerotic, antiarthritic, osteopathic, antibacterial, antiatherosclerotic, virucide and antiallergic activity. The compounds at as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKOeta) at the NEWO binding comain that results in inhibition of IKKOeta kinase activation and subsequent decreased phosphorylation of IKKOeta kinase activation and subsequent decreased phosphorylation of IkappaB. The compounds are useful for treating inflammatory disorders, eg. asthma, lung inflammatory disorders, eg. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory cancer, psoriasis, vasculitis, bursitis, autoimmune diseases such as lupus, polymyalgia, soleroderma, granulomatosis, atherosclerosis; transplant rejection; osteoporosis, Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, cutticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, submultis, subm
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to NEMO binding sequence, useful for blocking nuclear factor kappaB
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                                       The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation acid residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiarthritic, osteopathic, antibacterial, immunosuppressive, dermatological, neuroprotective, nootropic, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding commain that results in inhibition of IkKbeta kinase activation and subsequent decreased phosphorylation of IkappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiarthritic, osteopathic, antibacterial, antipsoriatic, craim antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding domain that results in inhibition of IkKbeta kinase activation and subsequent decreased phosphorylation of IkKbeta kinase activation and corrective inhibition of IkKbeta kinase activation or concer, psoriasis, rheumatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatory disorders, e.g. asthma, lung inflammatory concert, psoriasis, rheumatory disorders, e.g. asthma, lung inflammatory concert, psoriasis, anschitis, bursitis, osteoarthritis, inflammatory concert, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, curticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis,
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Novel antiinflammatory compound comprising membrane translocation domain fused to NEMO binding sequence, useful for blocking nuclear factor kappaB activation, and for treating asthma, lung inflammation, psoriasis.
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Mismatches 0;
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The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
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       The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
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systemic lupus erythematosus), multiple sclerosis, cancer, ost. Alzheimer's disease or viral infection. This is the amino acid of an anti-iflammatory peptide that binds to, and down-regulatinecrosis factor kappa B (NFkB) essential modulator (NEMO).
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cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO I domain that results in inhibition of IKKbeta kinase activation and subsequent decreased phosphorylation of IkappaB. The compounds are for treating inflammatory disorders, e.g. asthma, lung inflammation cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatch bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases sulupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis transplant rejection; osteoporosis; Alzheimer's disease; atheroscle viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis sunburn, aging and arthritis
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cancer, comprises a membrane translocation domain and a NEMO b
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compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g. systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFKB) essential modulator (NEMO).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel antiinflammatory compound comprising membrane translocation domain fused to NEMO binding sequence, useful for blocking nuclear factor kappas activation, and for treating asthma, lung inflammation, psoriasis.
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                                                                                                                                                                                                                                                                                  Antinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema, cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis.
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of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFKB) essential modulator (NEMO).
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lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NEMO binding domain; NBD; I kappa B kinase beta; IKKbeta; antiantiantiantiantiantiantiantic; antiantic; antipsoriatic; antirheumatic; antipacterial; immunosuppressive; antiarthritic; osteopathic; antibacterial; immunosuppressive; dermatological; neuroprotective; cytostatic; nootropic; virucide; gene therapy; anti-inflammatory; inflammatory disorder; asthma; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; sepsis; vasculitis; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; cancer; osteoporosis; systemic lupus erythematosus; multiple sclerosis; cancer; osteoporosis; Alzheimer's disease; viral infection; NF-kappa B essential modulator.
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asthma, psoriasis,
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2000US-02312443P.
2000US-0231413P.
2000US-02313064P.
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                                                           Gaps
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2000US-0205515P.
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07-JUN-2000;
07-JUL-2000;
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The invention relates to novel nucleic acids encoding novel human foetal antigens. The nucleic acids and proteins are used to prevent, treat (e.g. partigens. The nucleic acids and proteins are used to prevent, treat (e.g. rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or succeptibility to a pathological condition. The antibodies to the antigens can also be used in alleviating symptoms associated with the disorders and in diagnostic impunoassays e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. carebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, cofactors and other nutritional components. Numerous examples of diseases and disorders treated by the nucleic acids and proteins are given in the specification. The persent sequence represents effected antigen of the invention. Note: The sequence data for this
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2000US-0249209P.
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2000US-0249214P.
2000US-0249216P.
2000US-0249216P.
2000US-024929P.
2000US-024929P.
2000US-0249300P.
2000US-0249300P.
2000US-0250391P.
2000US-0251988P.
2000US-0251988P.
2000US-0251988P.
2000US-0251988P.
2000US-0251868P.
2000US-0251869P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Barash SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME
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AAS34125.
 17-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-
N-PSDB; A
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Best Local S
Matches 5
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The present polypeptide represents a partial sequence of a novel EGIII-like cellulase of Gliocladium roseum. It was deduced from a partial gene sequence isolated from genomic DNA using PCR primers (see AAX59180-91) based on conserved motifs (see AAY06325-29) of Trichoderma reesei EGIII cellulase and related enzymes. PCR has been used to identify novel EGIII-like enzymes, including the present polypeptide, from bacterial and fungal sources (see AAY06331-70). Also provided by the invention are vectors, host cells and methods for the recombinant production of such enzymes, which can be used in the treatment of cellulose-containing textiles, as feed additives, in the treatment of wood pulp, in the reduction of biomass to glucose, in the stone washing of indigo dyed denim, or as laundry detergent components (all claimed). (Updated on 17-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EGIII like cellulase enzyme with cellulolytic activity contains specific amino acid string, useful for treatment of cellulose textile, as feed additive, in wood pulp treatment, reduction of biomass to glucose, or as laundry detergent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                               Cellulase, endoglucanase, EGIII, textile, feed additive, baking, food processing, grain wet milling, pulp, paper.
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0
                                                                                                                                                                                                     roseum EGIII-like cellulase (partial sequence)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard; protein; 236 AA.
                                                                                                 AAY06332 standard; protein; 103 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                         JI
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Phillips
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example; Fig 3; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                     98WO-US026552
                                                                                                                                                                                                                                                                                                                                                                                                 97US-00991720
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83.3%;
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                                                                                                                                                                                                                                                                             Bionectria ochroleuca.
                                                                                                                                                           (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fowler T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-395187/33.
              |||:||
ADWTWA 14
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ADWSWA
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                                                                                                                                                                                                                                                                                                                                                                                                16-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                     14-DEC-1998;
                                                                                                                                                                                                      Gliocladium
                                                                                                                                                         17-OCT-2003
06-SEP-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            BS,
                                                                                                                              AAY06332;
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Best Local
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AAY0633
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preventing loskeletal,

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Gaps

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Indels

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pill removal; fibril removal; c
animal feed; wood pulp; paper;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB14876 standard; protein;
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(first en
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 236 AA;
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                                                      WO200014208-A1
                                                                                                 24-AUG-1999;
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21-NOV-2000
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                                                                          16-MAR-2000
                                  Bionectria
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Best Local
                                                                                                                                                               Fowler
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                                                                                                                                                                                                                                                                                                                                              The present polypeptide represents a full-length sequence of a novel EGIII-like cellulase of Gliocladium roseum. It was deduced from a gene sequence isolated from genomic DNA using PCR primers (see AAX59180-91) based on conserved motifs (see AAY06325-29) of Trichoderma reesei EGIII cellulase and related enzymes. PCR has been used to identify novel EGIII like enzymes, including the present protein, from bacterial and fungal sources (see AAY06331-70). The sequence shows homology to T. reesei EGIII (see AAY06330). Also provided by the invention are vectors, host cells and methods for the recombinant production of such enzymes, which can be used in the treatment of cellulose-containing textiles, as feed additives, in the treatment of wood pulp, in the reduction of biomass to glucose, in the stone washing of indigo dyed denim, or as laundry detergent components (all claimed). (Updated on 27-AUG-2003 to correct OS
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s feed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                bility;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                       ecellulase enzyme with cellulolytic activity contains sperstring, useful for treatment of cellulose textile, as fein wood pulp treatment, reduction of biomass to glucose,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (EGIII) - like cellulase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       less;
                                                                   additive; baking;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Endoglucanase III; EGIII; EGIII-like cellulase; surfactant stacellulase; textile processing; textile cleaning; stonewashing; indigo dyed denim; cellulose containing fabric; fabric smoothn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 236;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 37; DB 2; Lo Pred. No. 2.2e+02; L; Mismatches 0;
                                                                  Cellulase; endoglucanase; EGIII; textile; feed a food processing; grain wet milling; pulp; paper.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of an endoglucanase III
                                              cellulase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY84341 standard; protein; 236 AA.
                                                                                                                                                                                                                                 JI,
                                                                                                                                                                                                                                Phillips
                                                                                                                                                                                                                                                                                                                                 Example; Fig 6; 47pp; English.
                                              roseum EGIII-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92.5%;
ilarity 83.3%;
Conservative
                                                                                                                                                                 98WO-US026552
                                                                                                                                                                                       97US-00991720
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(first entry)
               (revised)
(first entry)
                                                                                                                                                                                                            INC
                                                                                                    Bionectra ochrroleuca
                                                                                                                                                                                                           (GEMV ) GENENCOR INT
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5; Conserv
                                                                                                                                                                                                                                                                                        additive, in "- additive, detergent.
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06-AUG-2003
12-JUL-2000
                                                                                                                        WO9931255-A2
                                                                                                                                                                                       16-DEC-1997;
                                               Gliocladium
                                                                                                                                                                                                                                                                          EGIII like amino acid
              27-AUG-2003
06-SEP-1999
                                                                                                                                              24-JUN-1999
                                                                                                                                                                  14-DEC-1998
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                                                                                                                                                                                                                                Bower BS,
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Best Local
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my pill; removal; fibril; removal; conton; cellulosic fibre, dying; decegant; mimal feed; wood pulp; paper; grain, blomans reduction; glucose.

mimal feed; wood pulp; paper; grain, blomans reduction; glucose.

mimal feed; wood pulp; paper; grain, blomans reduction; glucose.

mimal feed; wood pulp; paper; grain, blomans reduction; glucose.

mimal feed; wood pulp; paper; grain, blomans reduction; glucose.

mimal feed; subsequence; seprements are septim; for textile reducting reability and reducting reability, and reducting results are used flores. The present endoplucames III. (BGIII)-like reability, and reducting received mirratent reability. The variant collulases and compositions containing them are used in textile proprosesting or classing.

my processing or classing reability. The variant collulases and compositions or containing them are used in textile proprosesting or classing.

my processing or classing paper; nor name in the treatment of glucose.

containing them are used in the paper nor name in the treatment of the collulases and compositions or containing them are used in the treatment of the collulases and compositions or containing them are used in the reduction of blomass or glucose (glatic, which can cause unwand fright in cellations or decayons to correct of fluence and an answer used in the cellations of the collulase my also be used in the treatment of the collulases and compositions or decayons and grains. The cellations of the collulases of the collulase my land the collulases of the collulase or the collula
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treating
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05-JUN-2002
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                                                                                                                                                                                                                                                               Seguence
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        residues
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Best Local
                          Example
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                                                                                                                                        The present sequence is a cellulase related to endoglucanase III (EGIII) from Trichoderma reesei. EGIII-like genes were isolated from genomic DNA libraries constructed from various microorganisms by PCR. The isolated genes showed significant homology to EGIII from T. reesei. Certain subsitution and deletion mutations have been incorporated into EGIII and EGIII-like cellulases to produce variant enzymes with improved stability, e.g. increased resistance to temperature stress. The mutants may be used in textile and wood pulp treatment, as a feed additive, and for reducing blomass to glucose. They are also useful for stonewashing or indigo dyed denim and as an agent in laundry and dish detergents. (Updated on 12-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cellulase
                                                                                                useful fo
                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                             EGIII; cellulase; endoglucanase III; detergent; cellulose treatment; stonewashing; indigo dyed denim; feed additive; wood pulp treatment; biomass reduction; laundry; dish detergent; milling; depilling; softening; surface fibre removal; anti-greying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        endoglucanase III-like
                                                                                               Novel endoglucanase III or endoglucanase III-like cellulase treating textiles and wood pulp comprises a substitution or specified positions in the wild form of endoglucanase III.
                                                                                                                                                                                                                                                                                Length 236;
                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                              Score 37; DB 3; L4
Pred. No. 2.2e+02;
1; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                               AAU77584 standard; protein; 236 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       endoglucanase III
                                                                                                                                                                                                                                                                                                                                                                                                                                              G. roseum EGIII-like cellulase #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mitchinson
                                                                                                                                  English
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        99WO-US026704
                         98US-00216295
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000US-00633085
                                                                                                                                                                                                                                                                              Similarity 83.3%; 5; Conservative
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(first entry)
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                                           (GEMV ) GENENCOR INT INC
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                                                                                                                                    52pp;
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                                                                                                                                                                                                                                                                                                                            ADWSWS
                                                                                                                                                                                                                                                                                                                   ADWSWA
                                                                                                                                   Example 1; Fig
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        variant
                                                            ပဲ
                                                                                                                                                                                                                                                               236
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        12-NOV-1999;
                         18-DEC-1998;
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                                                             Mitchinson
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Best Local S
Matches 5
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                                                                                                                                                                                                                                                               Seguence
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The invention relates to a variant of endoglucanase III (EGIII) or EGIII-

like cellulase comprising a substitution or deletion at a position

corresponding to one or more of residues W7, G31, A35, T145, Y147, Q162

and/or Y168 in EGIII from Trichoderma reesei. Also included are a DNA

concoding the variant, a vector comprising the DNA, a host cell

cransformed with the vector and a detergent composition comprising a

cutfactant and the variant. The variant is useful in the treatment of a

cellulose containing textile, stonewashing or indigo dyed denim or as a

cellulose containing textile, stonewashing or indigo dyed denim or as a

cellulose containing textile, stonewashing or indigo dyed denim or as a

collulose containing textile, stonewashing or indigo dyed denim or as a

collulose containing textile, stonewashing or indigo dyed denim or as a

composition, pre-soak composition or for cleaning during the regular wash

composition, pre-soak composition or for cleaning during the regular wash

confosition, pre-soak composition or for cleaning during the regular wash

confosition, pre-soak composition or for cleaning during the regular wash

corclean cycle. The variant increases value of animal feed, improves the

corclean cycle. The variant increases value of animal feed, improves the

corclean cycle. The variant increases value of animal feed, improves the

corclean cycle. The variant increases value of animal feed, improves the feel e.g. smoothness and/or appearance e.g. removing pills

and fibrils which tend to reduce the sharpness in appearance of a fabric,

of cellulose containing fabric, and imparts desirable effects such as

depilling, softening, anti-pilling, surface fiber removal, anti-greying

and cleaning. The present sequence removal, anti-greying

and cleaning. The present sequence removal, anti-greying

and cleaning. The primers appearing as ABK11339-ABK11349. (Updated on 29-

correction or and an animal removable or sequence or sequence or sequence or sequence or sequence or sequence or sequence
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substitution/deletion at positions corresponding to specific residues in
EGIII from Trichoderma reesei, useful for treating cellulose containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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ing cellulose containing textile, has performance replaced to residue having modified stability.
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Pred. No. 2.2e+02;
; Mismatches 0;
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                                                                                                                                47pp; English
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ilarity 83.3%;
Conservative
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                                                                                                                                  3;
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                                                                                                                                  1; Fig
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                                                                                                     and/or M118
                                                                                                                                                                                           ined. The
                                                                                                                                                           ositions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bifidobacterium longum NCC2705; Bifidobacterium; bacterial; antidiarrheic; antibacterial; inhibitor of Salmonella; detection; identification; lactic acid bacterium; diarrhoea; pathogenic bacteria; rotavirus; food composition; pharmaceutical composition.
                                                             The present invention relates to novel endoglucanase III (EGIII)-like cellulase variants which comprise a substitution or deletion at a position corresponding to one or more of residues M79, M154 and/or M11 in mature EGIII from the fungus, Trichoderma reesei. The variants are useful in the treatment of a cellulose containing textile. By substituting other amino acids for the native methionines at positions 79, 118 and 154 (sites where oxidation of the enzyme takes place) in EGIII from T. reesei, oxidatively more stable enzymes are obtained. The present sequence represents Gliocladium roseum EGIII-like cellulase #3 (Updated on 29-AUG-2003 to standardise OS field)
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and/or identifying Bifidobacte
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bifidobacterium longum NCC2705 ORF amino acid sequence SEQ
                                                                                                                                                                                                                                                                                                        Length 236;
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                                                                                                                                                                                                                                                                                                        Score 37; DB 5; Lour Pred. No. 2.2e+02; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABP65718 standard; protein; 274 AA
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a probe or primer for detecting
in a biological sample.
                                    41pp; English
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larity 83.3%;
Conservative
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Best Local Similarity
5; Conserva
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                                                                                                                                                                                                                                                                        Sequence 236 AA;
                                                                                                                                                                                                                                                                                                                                                                                   1 ADWSWA
                                                                                                                                                                                                                                                                                                                                                                                                                  63 ADWSWS
                                    Example 1; Fig
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ABP65718
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encoding a

useful as

can be

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used for preventing and/or treating diarrhoea brought about by pathogenic bacteria and/or rotavirus. The carrier is a food composition selected from milk, yogurt, curd, cheese, fermented milks, milk based fermented corposition in fant formula, pet food or a pharmaceutical composition selected from tablets, liquid bacterial suspensions, dried oral supplement, wet oral supplement, dry tube feeding or wet tube feeding.

(I) is useful in DNA arrays or chips to carry out analysis of the expression of the Bifidobacterium gene. ABQ81844 to ABQ81850 represent Bifidobacterium related nucleotide sequences given in the Sequence is specification. N.B. The sequence data for this patent is not represented in the printed specification but is based on sequence information.
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18
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                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            detecting signaling a
                                                                                                                                                                                                                                                             Length 274;
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                                                                                                                                                                                                                                                                           d. No. 2.6e+02;
Mismatches 0;
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cell B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              developmental biology; cell
                                                                                                                                                                                                                                                               Score 37;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                              standard; protein; 597 AA
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11-JUL-2000; 2000US-00614150
                                                                                                                                                                                                                                                                92.5%;
83.3%;
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genes from Drosophila
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                                                                                                                                                                                                                                                                               Similarity 5; Conserv
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                                                                                                                                                                                                                                      274 AA;
                                                                                                                                                                                                                                                                                                                                           ADWSWS
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Best Local S
Matches 5
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 Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to antisense inhibitors of genes essential to prokaryotic cellular proliferation, their use in identifying the genet their use in the discovery of novel antibiotics, the essential genet themselves and the encoded proteins. The prokaryotes used are Escher coli, Staphylococcus aureus, Salmonella typhi, Klebsiella pneumonias resetul for the identification of potential new targets for antibiotic development. The antisense nucleic acids can also be used to identification in proteins used in proliferation, to express these proteins, and to obtain antibodies capable of binding to the expressed proteins. The proteir be used to screen compounds in rational drug discovery programmes. The present sequence is also useful to screen for homologinucleic acids which are required for cell proliferation in a wide vactor of organisms. The present sequence represents an essential prokaryot cellular proliferation protein. Note: The sequence data for this pat did not form part of the printed specification, but was obtained in electronic format directly from WIPO at the print sequences
                                                                                                                                                                                                                                                                                  antibiotic;
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                                    Length 597;
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                                                                                                                                                                                                                                                         Pseudomonas aeruginosa cellular proliferation protein #38.
                                                               Indels
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                                                                                                                                                                                                                                                                                  proliferation protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polynucleotides for the identification and develcantibiotics, comprise sequences of antisense nucleic
                                   Score 37; DB 4; L4
Pred. No. 5.8e+02;
; Mismatches 0;
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2000US-0206848P.
2000US-0207727P.
2000US-0242578P.
2000US-0253625P.
2000US-0253625P.
2000US-0253625P.
                                  92.5%;
ilarity 83.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    2001WO-US009180
                                                                                                                                                                              standard; protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ELIT-) ELITRA PHARM INC
                                                                                                                                                                                                                                                                                                                        Pseudomonas aeruginosa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ohlsen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Xu HH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-611495/70.
N-PSDB; AAS51453.
                                                                                                                                                                                                                               (first
                                                                                                                163
                                                Similarity 5; Conserv
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             Ä
                                                                                                      SDWSWA
                                                                                       ADWSWA
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23-MAY-2000;
26-MAY-2000;
23-OCT-2000;
27-NOV-2000;
22-DEC-2000;
16-FEB-2001;
            Sequence 597
                                                                                                                                                                                                                                                                                                                                                                                                    21-MAR-2001;
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Yamamoto RT,
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                                                                                                                                                                                                       AAU33594;
                                                                                                                158
                                    Query Match
Best Local
                                                                                        -1
                                                                                                                                                                              AAU33594
                                                            Matches
                                                                                                                                                                AAU33594
                                                                                                                                                     RESULT
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The invention relates to an isolated nucleic acid comprising any one of the 6213 antisense sequences given in the specification where expression of the 6213 antisense sequences given in the specification where expression of the nucleic acid inhibits proliferation of a cell. Also included are:

(1) a vector comprising a promoter operably linked to the nucleic acid encoding a polypeptide whose expression is inhibited by the antisense conciled a host cell containing the vector; (3) an isolated contisense nucleic acid; (4) an antibody capable of specifically binding the polypeptide; (5) producing the polypeptide; (6) inhibiting cellular proliferation or the activity of a gene in an operon required for proliferation, (7) identifying a compound that influences the activity of the gene product or that has an activity against a biological pathway required for proliferation, or that inhibits cellular proliferation of the biological pathway in which a proliferation-required gene or its gene product lies or a gene on which the test compound that inhibits proliferation of an organism acts; (9) manufacturing an antibiotic; (10) profiling a compound; a culture comprising strains in which the extent to which each of the strains is present in a culture or collection of strains; or (13) identifying the target of a compound that inhibits the proliferation of an organism. The antisense nucleic acids are useful for
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                                                      Gaps
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for homologous nucleic acids required for cellular proliferation
isolate candidate molecules for rational drug discovery programs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  drug
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cell proliferation;
  Length 88
                                                    Indela
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Forsyth RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Protein encoded by Prokaryotic essential gene #1175
ore 37; DB 4; L
ed. No. 8.8e+02;
Mismatches 0:
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Yamamoto R,
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    Score 37;
Pred. No.
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                                                                                                                                                                                                                                                                                           standard; protein; 885
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2001US-00948993.
2001US-0342923P.
2002US-00072851.
2002US-0362699P.
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 Similarity 83.3%; 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                entry)
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Trawick JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 25; SEQ ID NO
                                                                                                                                                            568
                                                                                                                                                                                                                                                                                                                                                                                                (first
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B; ACA19518.
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06-SEP-2001;
25-OCT-2001;
08-FEB-2002;
06-MAR-2002;
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obtained
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                                          yphimurium,
required
                                                                                                                                                                                                                                                                                                                                                                                                                                            IKKbeat; IKKalpha; NEMO; NEMO binding domain; NBD; NF-kappaB; NF-kB; kinase activation; leukocyte; inflammation; E-selectin; osteoclast; autoimmune disease; transplant rejection; osteoporosis; cancer; Alzheimer's disease; viral; infection; asthma; anaphylaxis; psoriasis; rheumatoid arthritis; Crohn's disease; multiple sclerosis; HIV; corticosteroid; immunosuppression; antiinflammatory; immunosuppressive; osteopathic; cytostatic; nootropic; neuroprotective; anti-HIV; human; antiarteriosclerotic; virucide; antiasthmatic; antiallergic; dermatological; antibacterial; antipsoriatic; antirheumatic;
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ntacting
ne NEMO
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identifying proteins or screening for homologous nucleic acids required to proliferation to isolate candidate molecules for ratic drug discovery programs, or for screening homologous nucleic acids required for proliferation in cells other than S. aureus, S. typhim K. pneumoniae or P. aeruginosa. The present sequence is encoded by the target prokaryotic essential genes. Note: The sequence data for patent did not form part of the printed specification, but was obtain electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modulating NF-kappaB induction in a cell, useful for treating inflammatory disorders, osteoporosis and cancer, comprises concell with an anti-inflammatory compound comprising at least on
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                                                                                                                                                                        Length 885;
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                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO
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                                                                                                                                                                         ore 37; DB 6; Lusd. No. 8.8e+02;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                       Mutated IKKbeta NEMO binding domain peptide
                                                                                                                                                                           Score 37;
Pred. No. 8
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2000US-00643260
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                                                                                                                                                                        92.5%;
illarity 83.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                     ABB08727 standard; peptide;
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                                                                                                                                                                                      Similarity
5; Conserv
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                                                                                                                                               885 AA;
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Synthetic.
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22-AUG-2000;
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Matches
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ABB08742) comprising at least one NEMO binding domain (ABB77313). The compound has acts through selective inhibition of cytokine-mediated NF-kB activation by blocking the interaction of NEMO with IKKDetea at the NEWO binding domain. Blockage of IKKDeta-NEMO interaction results in inhibition of IKKDeta kinase activation and subsequent decreased phosphorylation of IKADPAB The compound may also act (directly or indirectly) by blocking the recruitment of leukocytes into sites of acute and chronic inflammation, by down-regulating the expression of E-selectin on leukocytes or by blocking osteoclast differentiation. The compound is on leukocytes or by blocking osteoclast differentiation. The compound is inflammatory disorder, an autoimmune disease, transplant rejection, allergies, cancer, Alzheimer's disease, atherosclerosis, a viral inflammatory disorder is asthma, allergies, urticaria, anaphylaxis, cutaneous inflammation, sepesitor, inflammatory bowel disease, chronic obstructive pulmonary disease, or inflammatory bowel disease, chronic obstructive pulmonary disease, or considering and burstits. The inflammatory disorder is asthmis, inflammatory bowel disease, chronic obstructive pulmonary disease, or cronic dermatitis, eczema, psoriasis, osteoarthritis, psoriatic arthritis, und spondylarthritis. Also for Crohn's disease, ulcerative colitis, or by sporiasis, orleredowna, Wegner's granulomatory dermatitis, crused by Epstein-barr, cytomegalovirus or herpes simplex. Other viral diseases include HTV and influenza. The compound may also be useful for treating anaphylaxis, drug and food sensitivity, contact dermatitis, submunnor aging. The compound may be used to replace corticosteroids in anti-inflammatory compounds and for diagnosis of an inflammatory densitiered alone or in combination with other known conting domain of IKKDeta
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Pred. No. 1.4e+06;
0; Mismatches 0;
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Anti-inflammatory peptide
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                                                                                                                                                                                                                                02-MAY-2001;
                                                                                                                                                                                                        08-NOV-2001.
                                                                                                                                                       Synthetic.
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Best Local
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                                                                                                                                                                                                                                                                                                                                     May MJ,
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g
                                                                                                                                                                                                                                                   The invention relates to modulating NF-kappaB (NF-kB) induction in a cell comprises contacting a cell with an anti-inflammatory compound (ABB08725-ABB08742) comprising at least one NBWO binding domain (ABB7113). The compound has acts through selective inhibition of cytokine-mediated NF-kB activation by blocking the interaction of NBWO with IKKDete a the NEWO binding domain. Blockage of IKKDete -NEWO interaction results in inhibition of IKKDeta kinase activation and subsequent decreased inhibition of IKKDeta kinase activation and subsequent decreased condition of IKKDeta inhibition of IKKDeta kinase activation and subsequent decreased inhibition of IKKDeta kinase activation and subsequent decreased condition of Leukocytes into sites of acute and chronic inflammatory blocking the recruitment of leukocytes into sites of acute and chronic inflammatory disorder, an autoimmune disease, transplant rejection, conflammatory disorder, an autoimmune disease, transplant rejection, inflammatory disorder, an autoimmune disease, transplant rejection, allergies, urticaria, anaphylaxis, cutaneous inflammatory disorder is sathma, allergies, urticaria, anaphylaxis, cutaneous inflammatory disease, chronic obstructive pulmonary disease, inflammatory bowel disease, chronic obstructive pulmonary disease, commentations and spondylarthritis. Also for Cronic obstructive pulmonary disease, crowglobulinaemia or multiple sclerosis. For chronic viral infections caused by Epstein-barr, cytomegalovirus or herpes simplex. Other viral caused by Epstein-barr, cytomegalovirus or herpes simplex, one activated NEWO in which orticosteroids in munosuppression in which conficosteroids are used, including manphylaxis, drug and conference are used, including manphylaxis, drug and conference are used, including immunosuppression in which conficosteroids are used, including manphylaxis, drug and conficosteroids are used, including munumatory agents. The compound may be administered alone or in combination with other known anti-inflammatory agents. The pre
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                                                                                                                                                                  Modulating NF-kappaB induction in a cell, useful for treating e.g. inflammatory disorders, osteoporosis and cancer, comprises contacting cell with an anti-inflammatory compound comprising at least one NEMO
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7. 1.4e+06;
0;
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Pred. No. 1.40;
Mismatches
                                                                                                                                                                                                                                 44; 82pp; English
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100.0%; Pi
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                                                 2000US-0201261P
2000US-00643260
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                                                                                       YALE.
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                                                                                                                                                                                                       binding domain.
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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprises from 6-15 amino acid residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, antipsoriatic, antiinflammatory compounds have antiasthmatic, antipsoriatic, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding commain that results in inhibition of IkappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; urficaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, surburn, aging and arthritis
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Antinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema; cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis.
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AAM48559;

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standard; peptide;

AAM48559

RESULT **AAM485**

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Novel antiinflammatory compound comprising membrane translocation domain fused to NEMO binding sequence, useful for blocking nuclear factor kappaB activation, and for treating asthma, lung inflammation, psoriasis.
                                                              Antiinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropantirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerantiallergic; membrane translocation domain; NEMO binding domain; exytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection ataxia telangiectasia; allergy; anaphylaxis; arthritis.
                                                                                                                                                                                                                                                                                                                                                    Phillips
                                            Anti-inflammatory peptide SEQ ID NO
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2000US-00643260
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22-AUG-2000;
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AAM48548;
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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48629). Comprising a membrane translocation domain (AAM48620-AAM48629) or AAM48646-AAM48651) which comprises from 6-15 amino acid residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, cytostatic, artibacterial, antiatherosclerotic, virucide and antiallergic activity. The compounds antiatherosclerotic, virucide and antiallergic activity. The compounds antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkkappaB kinase beta (IKKbeta) at the NEMO binding commain that results in inhibition of IKKbeta kinase activation and subsequent decreased phosphorylation of IkkappaB. The compounds are useful for treating inflammatory disorders, est asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory cancer, psoriasis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimmer's disease; atherosclerosis; viral infections; and ataxia telangiectasia. The compounds are also usticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, surburn, aging and arthritis
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The compounds are also
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re 36; DB 5; Lacd. No. 1.4e+06; Mismatches 0; Score 36; Pred. No. ; 0 90.0%; larity 100.0%; Conservative (Similarity 5; Conserv 6 AA; Sequence Query Match Local Best Loc Matches

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The invention relates to an antiinflammatory compound (especially AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The residues, fused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, antiarchitic, antiarchitic, antiarchitic, antiarchitic, antiarchitic, antiarchitic, antiarcherosclerotic, virucide and antiallergic activity. The compounds antiarcherosclerotic, virucide and antiallergic activity. The compounds antiarching interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding consort that results in inhibition of IkappaB. The compounds are useful corncer, psoriasis, rheumatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatorid arthritis, osteoarthritis, inflammatory cancer, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease, atherosclerosis; transplant rejection; osteoporosis; Alzheimer's disease, atherosclerosis; urricaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis ö membrane translocation domain blocking nuclear factor kappaB inflammation, psoriasis. antirheumatic, antiarthritic; cytostatic; antipsoriatic; nootropic; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema; cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; ataxia telangiectasia; allergy; anaphylaxis; arthritis. Gaps comprising ruseful for l Phillips K; fused to NEMO binding sequence, usefuactivation, and for treating asthma, 8 C compound 88pp; English Findeis MA, Anti-inflammatory peptide SEQ 02-MAY-2000; 2000US-0201261P 22-AUG-2000; 2000US-00643260 2001WO-US014346 PRAECIS PHARM INC Novel antiinflammatory WPI; 2002-121889/16 Claim 6; Page 62; UNIV YALE Ghosh S, WO200183554-A2 02-MAY-2001; 08-NOV-2001 φ Synthetic Sequence (UYYA) May MJ, (PRAE-)

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ద ઠે AMM48629-AAM48645), comprising a membrane translocation domain (AAM48620-AMM48621), comprising a membrane translocation domain (AAM48620-AMM48625), comprising a membrane translocation domain (AAM48620-AMM48625), tused to a NEMO binding sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, cytostatic, antipsoriatic, antiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by chlocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding domain that results in inhibition of IkappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammation or cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory clowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; viral infections; and ataxia telangiectasia. The compounds are also useful for treating pro-inflammatory responses such as allergies, urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, curburn, aging and arthritis compounds vation by JEMO binding ton domain atherosclerosis; is are also are useful in; eczema; iasis; ally n (AAM48620ipsoriatic, Antinflammatory; antiasthmatic; cytostatic; antipsoriatic; nootropic; antirheumatic; antiarthritic; osteopathic; antibacterial; virucide; immunosuppressive; dermatological; neuroprotective; antiatherosclerotic; antiallergic; membrane translocation domain; NEMO binding domain; eczema cytokine; NFkappaB; IkappaB kinase beta; IKKbeta; cancer; psoriasis; rheumatoid arthritis; osteoarthritis; inflammatory bowel disease; autoimmune disorder; multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; viral infection; ataxia telangiectasia; allergy; anaphylaxis; arthritis. es such as ctol Novel antiinflammatory compound comprising membrane translocater fused to NEMO binding sequence, useful for blocking nuclear factivation, and for treating asthma, lung inflammation, psorial (especia invention relates to an antiinflammatory compound Phillips K; 47; 88pp; English 4. Findeis MA, 9 mutant peptide SEQ ID NO 2000US-0201261P 2000US-00643260 2001WO-US014346 standard; peptide; (first entry) PHARM INC WPI; 2002-121889/16 PRAECIS PH UNIV YALE. ŝ φ Example 6; Page 2 DWSWA Ghosh WO200183554-A2 02-MAY-2001; 02-MAY-2000; 22-AUG-2000; 20-MAR-2002 08-NOV-2001 9 Synthetic AAM48509; AAM48509 Sequence (PRAE-) (UYYA) May MJ, NBD AAM48509 RESULT

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The invention relates to an antiinflammatory compound (especially AAM48628-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising a membrane translocation domain (AAM48620-AAM48645), comprising sequence (AAM48525-AAM48619). The antiinflammatory compounds have antiasthmatic, ortostatic, antipsoriatic, antiatherosclerotic, urucide and antiallergic activity. The compounds artiatherosclerotic, virucide and antiallergic activity. The compounds act as selective inhibitors of cytokine-mediated NFkappaB activation by blocking interaction of IkappaB kinase beta (IKKbeta) at the NEMO binding commain that results in inhibition of IkappaB. The compounds are useful for treating inflammatory disorders, e.g. asthma, lung inflammatory cancer, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, bursitis; autoimmune diseases such as lupus, polymyalgia, scleroderma, granulomatosis, multiple sclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; transplant rejection; osteoporosis; Alzheimer's disease; atherosclerosis; urticaria, anaphylaxis, drug or food sensitivity, eczema, dermatitis, sunburn, aging and arthritis
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22-AUG-2000; 2000US-00643260
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1.4e+06;
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100.0%; P7
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22-AUG-2000; 2000US-00643260.
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The present invention relates to antiinflammatory compounds comprising NEMO binding domain (NBD) peptides. The NEMO binding domains are found on IkappaB kinase-alpha (IKKalpha) IkappaB kinase-beta (IKKbeta) and IkappaB kinase-alpha (IKKalpha) proteins. The antiinflammatory compounds of the invention are useful for the compounds are capable of blocking the interaction between one or more the compounds are capable of blocking the interaction between one or more IKKs such as IKKalpha or IKKbeta, and NEMO. The antiinflammatory compound further comprises at least one membrane translocation domain. The compounds are useful for treating inflammatory disorders, autoimmune diseases, osteoporosis, cancer, Alzheimer's disease, atherosclerosis, viral infections, Ataxia telangiectasia, and for transplantation detection. The compounds of the invention block NF-kappaB induction by
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                         responses such as allergies,
sensitivity, eczema, dermatitis,
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viral infections; and ataxia telangiectasia.
useful for treating pro-inflammatory response
urticaria, anaphylaxis, drug or food sensitiv
sunburn, aging and arthritis
                                                                                                                                                                                  Score 36; DB
Pred. No. 1.4;
Mismatches
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(GHOS/) GHOSH
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The present invention relates to antiinflammatory compounds comprising

NEMO binding domain (NBD) peptides. The NEMO binding domains are found on

IkappaB kinase-beta (IKKbeta) and IkappaB kinase-alpha (IKKalpha)

proteins. The antiinflammatory compounds of the invention are useful for

modulating nuclear factor-kappaB (NF-kappaB) induction in a cell, where

the compounds are capable of blocking the interaction between one or more

IKKB such as IKKalpha or IKKbeta, and NEMO. The antiinflammatory compound

further comprises at least one membrane translocation domain. The

compounds are useful for treating inflammatory disorders, autoimmune

compounds of the invention block NF-kappaB induction by

IKK but do not inhibit the basal activity of NF-kappaB. ABU08418-ABU08418

represent human NBD mutant peptides
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 18-ABU08432
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                                                                                                                                                                                                                                                                                                                                                                     Human; antiinflammatory compound; NEMO binding domain; NBD; IKI IkappaB kinase-beta; IkappaB kinase-alpha; IKKalpha; NF-kappaB nuclear factor-kappaB induction; inflammatory disorder; autoimmune disease; osteoporosis; cancer; Alzheimer's disease; atherosclerosis; viral infection; Ataxia telangiectasia; transplantation detection; immunosuppressive; osteopathic; cytonoctropic; neuroprotective; antiatherosclerotic; virucide; vasc
o not inhibit the basal activity of NF-kappaB. ABU084 human NBD mutant peptides
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                        inflammatory bowel disease; sepsis; vasculitis; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; cancer; osteoporosis; Alzheimer's disease; viral infection; NF-kappa B essential modulator;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New compound for diagnosing or treating inflammatory disorders, e.g. asthma, psoriasis, rheumatoid arthritis, inflammatory bowel disease cancer, comprises a membrane translocation domain and a NEMO binding
                                                                                                                                                                                                                                                                                      antiinflammatory; antiasthmatic; antipsoriatic; antirheumatic; antiarthritic; osteopathic; antibacterial; immunosuppressive; dermatological; neuroprotective; cytostatic; nootropic; virucide; gene therapy; anti-inflammatory; inflammatory disorder; asthma; psoriasis; rheumatoid arthritis; osteoarthritis;
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                       ore 36; DB red. No. 1.4 Mismatches
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Homo sapiens.
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asthma;
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FINDEIS M A.
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The invention describes an anti-inflammatory compound comprising (I). The compound is useful for diagnosing or treating inflammatory disorders, such as asthma, psoriasis, rheumatoid arthritis, osteoarthritis, inflammatory bowel disease, sepsis, vasculitis, autoimmune diseases (e.g. systemic lupus erythematosus), multiple sclerosis, cancer, osteoporosis, Alzheimer's disease or viral infection. This is the amino acid sequence of an anti-iflammatory peptide that binds to, and down-regulates, necrosis factor kappa B (NFkB) essential modulator (NEMO).
                                                                                                                     NEMO binding domain; NBD; I kappa B kinase beta; IKKbeta; antihantic; antihasthmatic; antipsoriatic; antirheumatic; antihacterial; immunosuppressive; antiarthritic; osteopathic; antibacterial; immunosuppressive; dermatological; neuroprotective; cytostatic; nootropic; virucide; gene therapy; anti-inflammatory; inflammatory disorder; asthma; psoriasis; rheumatoid arthritis; osteoarthritis; autoimmune disease; inflammatory bowel disease; sepsis; vasculitis; autoimmune disease; systemic lupus erythematosus; multiple sclerosis; cancer; osteoporosis; Alzheimer's disease; viral infection; NF-kappa B essential modulator.
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